

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Merced Streams Group

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) | | | | |

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Spring 2017 Levee Inspection Results
Merced Streams Group**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Black Rascal Diversion | | | Right | 1.61 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 5/2/2017 - 5/2/2017 | | | |
| DWR Inspector | Herman Phillips | | | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|----------------------------------|--------------|------------------------|------------|----|
| LM Start | | Rating ** | A | Issue No. | 4 |
| LM End | | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | | |
| DWR ID | DWR_NA0013_01_f_2016_4 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| Merced County has a copy of the Operation and Maintenance Manual in their Office. | | | | | |

No Photos

| | | | | | |
|--|--------------------------------|--------------|------------------------|------------|----|
| LM Start | | Rating ** | A | Issue No. | 5 |
| LM End | | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | | |
| DWR ID | DWR_NA0013_01_f_2016_5 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| Merced Streams Group has emergency supplies and equipment on hand. | | | | | |

No Photos

| | | | | | |
|--|-------------------------------|--------------|------------------------|------------|----|
| LM Start | | Rating ** | A | Issue No. | 6 |
| LM End | | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | | |
| DWR ID | DWR_NA0013_01_f_2016_6 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| Merced Streams Group are Trained and prepared for Flood Fight. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 7 |
| LM End | 0.62 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.314745 ° | 37.323558 ° |
| | | | | -120.396427 ° | -120.396610 ° |
| DWR ID | DWR_NA0013_01_s _ 2017_7 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Crown roadway should be free of vegetation. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_331_7_20170502_00006.jpg



Looking back upstream at the weed growth on the crown roadway.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | U | Issue No. | 2 |
| LM End | 1.61 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.314745 ° | 37.337110 ° |
| | | | | -120.396427 ° | -120.396522 ° |
| DWR ID | DWR_NA0013_01_s _ 2017_2 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Spray or mow the unsatisfactory tall weed from the landside slope and shoulder. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_331_2_20170502_00005.jpg



Standing on the landside at levee mile 0.01 looking back upstream at the unsatisfactory weed growth.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | U | Issue No. | 8 |
| LM End | 1.61 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.314745 ° | 37.337110 ° |
| | | | | -120.396427 ° | -120.396522 ° |
| DWR ID | DWR_NA0013_01_s _ 2017_8 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Spray or mow the tall weeds from the waterside levee slope. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_331_8_20170502_00004.jpg



Standing on the waterside slope looking upstream at the unsatisfactory tall weed growth.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.23 | Rating ** | U | Issue No. | 9 |
| LM End | 0.23 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.317962 ° | 37.317962 ° |
| | | | | -120.396360 ° | -120.396360 ° |
| DWR ID | DWR_NA0013_01_s_2017_9 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Remove the garbage from the waterside shoulder. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_331_9_20170502_00007.jpg



Unwanted garbage dumped on the waterside shoulder.

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.28 | Rating ** | M | Issue No. | 10 |
| LM End | 1.61 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.318682 ° | 37.337110 ° |
| | | | | -120.396615 ° | -120.396522 ° |
| DWR ID | DWR_NA0013_01_s_2017_10 | | | | |
| Comment Code | | | | | |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |
| Inspector Comment | | | | | |
| Regrade and add gravel to the section listed for proper drainage. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.71 | Rating ** | M | Issue No. | 11 |
| LM End | 1.05 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.324947 ° | 37.329782 ° |
| | | | | -120.396650 ° | -120.396458 ° |
| DWR ID | DWR_NA0013_01_s_2017_11 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| The crown roadway shall be free of vegetation. | | | | | |

No Photos

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.92 | Rating ** | U | Issue No. | 3 |
| LM End | 0.92 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.327987 ° | 37.327987 ° |
| | | | | -120.396690 ° | -120.396690 ° |
| DWR ID | DWR_NA0013_01_s _ 2017_3 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Remove the unwanted garbage from the crown roadway. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_331_3_20170502_00009.jpg



Garbage placed on the crown roadway.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.92 | Rating ** | U | Issue No. | 12 |
| LM End | 0.92 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.327987 ° | 37.327987 ° |
| | | | | -120.396690 ° | -120.396690 ° |
| DWR ID | DWR_NA0013_01_s _ 2017_12 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Remove the unwanted debris placed on the water side shoulder. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_331_12_20170502_00008.jpg



Debris and house hole garbage dumped on the waterside levee shoulder.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.05 | Rating ** | U | Issue No. | 13 |
| LM End | 1.61 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.329782 ° | 37.337110 ° |
| | | | | -120.396458 ° | -120.396522 ° |
| DWR ID | DWR_NA0013_01_s _ 2017_13 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Remove the unwanted debre from the crown roadway. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_331_13_20170502_00010.jpg



Looking back upstream from levee mile 1.05-1.61 unwanted weeds present on the crown roadway.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.29 | Rating ** | M | Issue No. | 14 |
| LM End | 1.29 | Issue Type + | En | Location * | CR |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.332805 ° | 37.332805 ° |
| | | | | -120.394906 ° | -120.394906 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:41672 DS_ID:23079 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Verify Pipe is abandoned or still intact.- may be this crossing was abandoned/removed during recent levee reconstruction.- no signs of pipe and appurtenances on waterside.- only a CM pipe riser with slide gate found on landside. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 10.0 feet below the crown, riser on the landward side, concrete headwall and cobble spillway on the landward toe, screw gate in a 48-inch pipe well on the waterward slope, concrete headwall on the waterward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.29 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 1.29 | Issue Type + | En | Location * | CR |

Photo 1 of 3 : UCIP_SP_2017_41672_35211.jpg



WS view: no signs of pipe and appurtenances on levee slope and channel bank.

Photo 2 of 3 : UCIP_SP_2017_41672_35210.jpg



LS view: overview of CM pipe riser with slide gate. Dense vegetation on landside.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 1.29 | Rating ** | M | Issue No. | 14 (cont) | |
| LM End | 1.29 | Issue Type + | En | Location * | CR | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 37.332805 ° | | 37.332805 ° |
| | | | | -120.394906 ° | | -120.394906 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:41672 | | | | | | |
| DS_ID:23079 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Indicator Found | | | | | | |
| UCIP Comments: Verify Pipe is abandoned or still intact.- may be this crossing was abandoned/removed during recent levee reconstruction.- no signs of pipe and appurtenances on waterside.- only a CM pipe riser with slide gate found on landside. | | | | | | |
| FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 10.0 feet below the crown, riser on the landward side, concrete headwall and cobble spillway on the landward toe, screw gate in a 48-inch pipe well on the waterward slope, concrete headwall on the waterward toe (O&M Unit No. 607, 1962) | | | | | | |
| FS Date: 9/17/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_41672_35209.jpg



LS view: inside view of CM pipe riser with slide gate.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Spring 2017 Levee Inspection Results
Merced Streams Group**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 Black Rascal Diversion | | | Left | 1.85 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 5/2/2017 - 5/2/2017 | | | |
| DWR Inspector | Herman Phillips | | | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 11 |
| LM End | 0.93 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.337043 ° | 37.327915 ° |
| | | | | -120.387333 ° | -120.396105 ° |
| DWR ID | DWR_NA0013_02_s_2017_11 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Spray mow the unwanted weeds from the landside levee section. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_332_11_20170502_00031.jpg



Looking downstream from levee mile 0.00 unwanted tall weeds on the landside slope and shoulder.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 12 |
| LM End | 1.84 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.337043 ° | 37.314609 ° |
| | | | | -120.387333 ° | -120.395807 ° |
| DWR ID | DWR_NA0013_02_s_2017_12 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Spray and mow the wild vegetation on the waterside levee slope and shoulder. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_332_12_20170510_00034.jpg



Looking upstream from the waterside levee slope Black Rascal Diversion Canal, tall unwanted weeds present along the levee slope and shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 2 |
| LM End | 0.00 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.337034 ° | 37.337034 ° |
| | | | | -120.387422 ° | -120.387422 ° |
| DWR ID | DWR_NA0013_02_f_2012_2 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| There is no CVFPB permit on record for this issue. Merced County Flood Control is aware of this issue. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 2 (cont) |
| LM End | 0.00 | Issue Type + | En | Location * | LS |

Photo 1 of 3 : SP_2017_NA0013_332_2_20170404_00001.jpg



There is no CVFPB permit on file for this installation. Photo taken 4-23-2014

Photo 2 of 3 : SP_2017_NA0013_332_2_20170404_00002.jpg



No Permit for this filtration system and tank on the easement. 2016

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 2 (cont) |
| LM End | 0.00 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : SP_2017_NA0013_332_2_20170502_00032.jpg



No Permit for this filtration system and tank on the easement. No change since last inspection.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 25 |
| LM End | 0.01 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.337019 ° | 37.337019 ° |
| | | | | -120.387539 ° | -120.387539 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:21263 DS_ID:23052 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs more investigations on this crossing. - new water filtration plant on LS with pump and concrete vault.- a concrete standpipe and CM pipe riser on WS. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 5.0 feet below the crown, riser on the landward side, screw gate in a 36-inch pipe well on the waterward slope (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 25 (cont) |
| LM End | 0.01 | Issue Type + | En | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_21263_35761.jpg



WS view: concrete standpipe (left) and CMP standpipe (right).

Photo 2 of 3 : UCIP_SP_2017_21263_35760.jpg



WS view: inside view of CMP standpipe with slide gate.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.01 | Rating ** | M | Issue No. | 25 (cont) | |
| LM End | 0.01 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.337019 ° | 37.337019 ° | |
| | | | | -120.387539 ° | -120.387539 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:21263 | | | | | | |
| DS_ID:23052 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: - needs more investigations on this crossing. - new water filtration plant on LS with pump and concrete vault.- a concrete standpipe and CM pipe riser on WS. | | | | | | |
| FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 5.0 feet below the crown, riser on the landward side, screw gate in a 36-inch pipe well on the waterward slope (O&M Unit No. 607, 1962) | | | | | | |
| FS Date: 9/17/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_21263_35764.jpg



WS view: concrete standpipe with water ponding at its base.

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.29 | Rating ** | A/W | Issue No. | 26 |
| LM End | 0.29 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.336006 ° | 37.336006 ° |
| | | | | -120.392011 ° | -120.392011 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50156 DS_ID:23053 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: LS inlet is clear. WS gate has been cleared of vegetation and functions properly. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/17/2013:- needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.29)]. FS Date: 8/23/2016 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_50156_35245.jpg



WS view: cobble spillway and channel on waterside.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.29 | Rating ** | A/W | Issue No. | 26 (cont) |
| LM End | 0.29 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.336006 ° | 37.336006 ° |
| | | | | -120.392011 ° | -120.392011 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50156
 DS_ID:23053
 EP_NO: N/A
 Repair Type: No Action Needed
 Crossing Status: Found
 UCIP Comments: 08/23/2016: LS inlet is clear. WS gate has been cleared of vegetation and functions properly. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/17/2013:- needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. (P. Amatya - UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.29)].
 FS Date: 8/23/2016

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.29 | Rating ** | A/W | Issue No. | 26 (cont) |
| LM End | 0.29 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_50156_35244.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not closed. Vegetation needs to be cleared.

Photo 3 of 3 : UCIP_SP_2017_50156_35246.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.54 | Rating ** | M | Issue No. | 27 |
| LM End | 0.54 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.333180 ° | 37.333180 ° |
| | | | | -120.394069 ° | -120.394069 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:20946 DS_ID:23054 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.54 | Rating ** | M | Issue No. | 27 (cont) |
| LM End | 0.54 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_20946_35266.jpg



WS view: cobble spillway and channel on waterside.

Photo 2 of 3 : UCIP_SP_2017_20946_35265.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not properly closed.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.54 | Rating ** | M | Issue No. | 27 (cont) |
| LM End | 0.54 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.333180 ° | 37.333180 ° |
| | | | | -120.394069 ° | -120.394069 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:20946 | | | | | |
| DS_ID:23054 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | |
| FS Date: 9/17/2013 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_20946_35264.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.62 | Rating ** | M | Issue No. | 13 |
| LM End | 0.72 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.331990 ° | 37.330732 ° |
| | | | | -120.394108 ° | -120.394970 ° |
| DWR ID | DWR_NA0013_02_s_2017_13 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Keep the crown roadway free of vegetgation. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.65 | Rating ** | M | Issue No. | 14 |
| LM End | 0.92 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.331592 ° | 37.328082 ° |
| | | | | -120.394317 ° | -120.396098 ° |
| DWR ID | DWR_NA0013_02_s_2017_14 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.74 | Rating ** | M | Issue No. | 28 |
| LM End | 0.74 | Issue Type + | Ma | Location * | CR |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.330525 ° | 37.330525 ° |
| | | | | -120.395132 ° | -120.395132 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:20992 DS_ID:23055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it needs cleaning.- half of inlet pipe buried. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_20992_35370.jpg



WS view: concrete headwall and CM pipe buried under debris and mud.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 0.74 | Rating ** | M | Issue No. | 28 (cont) | |
| LM End | 0.74 | Issue Type + | Ma | Location * | CR | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.330525 ° | | 37.330525 ° |
| | | | | -120.395132 ° | | -120.395132 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:20992 DS_ID:23055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it needs cleaning.- half of inlet pipe burried. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.74 | Rating ** | M | Issue No. | 28 (cont) |
| LM End | 0.74 | Issue Type + | Ma | Location * | CR |

Photo 2 of 3 : UCIP_SP_2017_20992_35369.jpg



WS view: debris and mud deposited from the channel cleaning. It needs to be cleared from spillway and outlet structure.

Photo 3 of 3 : UCIP_SP_2017_20992_35366.jpg



LS view: concrete headwall and CM pipe. Half of intet pipe burried.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
| | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.88 | Rating ** | U | Issue No. | 24 |
| LM End | 0.88 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.328567 ° | 37.328567 ° |
| | | | | -120.396062 ° | -120.396062 ° |
| DWR ID | DWR_NA0013_02_s_2014_24 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Three fruit trees with irrigation system, stock pile of material (2) piles on the land side toe and rock pad placed on land side toe. Discovered during the fall 2014 inspection a structure has been installed on the landward levee slope and berm. No permit for these encroachments. | | | | | |

Photo 1 of 4 : SP_2017_NA0013_332_24_20170404_00004.jpg



Unauthorized encroachment placed on the landside shoulder and berm.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.88 | Rating ** | U | Issue No. | 24 (cont) |
| LM End | 0.88 | Issue Type + | En | Location * | LS |

Photo 2 of 4 : SP_2017_NA0013_332_24_20170404_00005.jpg



Another view of unauthorized structure.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.88 | Rating ** | U | Issue No. | 24 (cont) |
| LM End | 0.88 | Issue Type + | En | Location * | LS |

Photo 3 of 4 : SP_2017_NA0013_332_24_20170404_00006.jpg



Unit 2 looking downstream from levee mile 0.88.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.88 | Rating ** | U | Issue No. | 24 (cont) |
| LM End | 0.88 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.328567 ° | 37.328567 ° |
| | | | | -120.396062 ° | -120.396062 ° |
| DWR ID | DWR_NA0013_02_s_2014_24 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Three fruit trees with irrigation system, stock pile of material (2) piles on the land side toe and rock pad placed on land side toe. Discovered during the fall 2014 inspection a structure has been installed on the landward levee slope and berm. No permit for these encroachments. | | | | | |

Photo 4 of 4 : SP_2017_NA0013_332_24_20170510_00035.jpg



No change 5-2017.

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.90 | Rating ** | A/W | Issue No. | 29 |
| LM End | 0.90 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.328283 ° | 37.328283 ° |
| | | | | -120.396074 ° | -120.396074 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:20965 | | | | | |
| DS_ID:23056 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - working during field inspection.- vegetation on drainage ditch/channel | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | |
| FS Date: 9/17/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_20965_35292.jpg



WS view: two 60" CMPs, flap gates, and headwall on channel bank.

| | | | | |
|---|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|---|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 0.90 | Rating ** | A/W | Issue No. | 29 (cont) | |
| LM End | 0.90 | Issue Type + | Ma | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.328283 ° | | 37.328283 ° |
| | | | | -120.396074 ° | | -120.396074 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:20965 | | | | | | |
| DS_ID:23056 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: - working during field inspection.- vegetation on drainage ditch/channel | | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | | |
| FS Date: 9/17/2013 | | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.90 | Rating ** | A/W | Issue No. | 29 (cont) |
| LM End | 0.90 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_20965_35291.jpg



LS view: headwall on levee toe. Green vegetation in drainage channel.

Photo 3 of 3 : UCIP_SP_2017_20965_35290.jpg



LS view: two CM pipes and U typed headwall on levee toe. Green vegetation in drainage channel.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.91 | Rating ** | A/W | Issue No. | 30 |
| LM End | 0.91 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.328267 ° | 37.328267 ° |
| | | | | -120.396084 ° | -120.396084 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:20983 | | | | | |
| DS_ID:23080 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: It was working during field inspection. Dense vegetation in drainage ditch. | | | | | |
| FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | |
| FS Date: 9/17/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.91 | Rating ** | A/W | Issue No. | 30 (cont) |
| LM End | 0.91 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_20983_35302.jpg



WS view: two CMPs with flap gate, concrete spillway and channel on waterside.

Photo 2 of 3 : UCIP_SP_2017_20983_35301.jpg



LS view: U typed concrete headwall, two CMPs in drainage ditch. Dense vegetation in drainage ditch.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 0.91 | Rating ** | A/W | Issue No. | 30 (cont) | |
| LM End | 0.91 | Issue Type + | Ma | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.328267 ° | | 37.328267 ° |
| | | | | -120.396084 ° | | -120.396084 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:20983 | | | | | | |
| DS_ID:23080 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: It was working during field inspection. Dense vegetation in drainage ditch. | | | | | | |
| FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | | |
| FS Date: 9/17/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_20983_35300.jpg



LS view: concrete headwall in drainage ditch. Dense vegetation in drainage ditch.

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 15 |
| LM End | 0.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.327308 ° | 37.327308 ° |
| | | | | -120.396078 ° | -120.396078 ° |
| DWR ID | DWR_NA0013_02_s_2017_15 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.10 | Rating ** | M | Issue No. | 16 |
| LM End | 1.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.325487 ° | 37.325487 ° |
| | | | | -120.396052 ° | -120.396052 ° |
| DWR ID | DWR_NA0013_02_s_2017_16 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.30 | Rating ** | A/W | Issue No. | 31 |
| LM End | 1.30 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.322499 ° | 37.322499 ° |
| | | | | -120.396045 ° | -120.396045 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:20984 DS_ID:23057 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - working during field inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_20984_35305.jpg



WS view: U type concrete headwall and channel on waterside.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.30 | Rating ** | A/W | Issue No. | 31 (cont) |
| LM End | 1.30 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.322499 ° | 37.322499 ° |
| | | | | -120.396045 ° | -120.396045 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:20984 DS_ID:23057 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - working during field inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

Photo 2 of 3 : UCIP_SP_2017_20984_35304.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. It was working during field inspection.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.30 | Rating ** | A/W | Issue No. | 31 (cont) |
| LM End | 1.30 | Issue Type + | Ma | Location * | LS |

Photo 3 of 3 : UCIP_SP_2017_20984_35303.jpg



LS view: concrete headwall on levee toe and drainage ditch.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.62 | Rating ** | M | Issue No. | 32 |
| LM End | 1.62 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.318015 ° | 37.318015 ° |
| | | | | -120.395738 ° | -120.395738 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:42993 | | | | | |
| DS_ID:23058 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - needs cleaning of debris on spillway on WS. | | | | | |
| Flapgate blocked by debris on WS. - needs cleaning inside CMP on LS | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | |
| FS Date: 9/17/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.62 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 1.62 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_42993_35310.jpg



WS view: overview of outlet area and channel. Debris and vegetations on spillway.

Photo 2 of 3 : UCIP_SP_2017_42993_35309.jpg



WS view: U typed concrete headwall, CM pipe and flap gate. Vegetation and debris need to be cleared.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 1.62 | Rating ** | M | Issue No. | 32 (cont) | |
| LM End | 1.62 | Issue Type + | Ma | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.318015 ° | | 37.318015 ° |
| | | | | -120.395738 ° | | -120.395738 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:42993 | | | | | | |
| DS_ID:23058 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: - needs cleaning of debris on spillway on WS. | | | | | | |
| Flapgate blocked by debris on WS. - needs cleaning inside CMP on LS | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | | |
| FS Date: 9/17/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_42993_35312.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning. Part of inlet pipe buried.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.62 | Rating ** | U | Issue No. | 17 |
| LM End | 1.85 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.317882 ° | 37.314609 ° |
| | | | | -120.395718 ° | -120.395807 ° |
| DWR ID | DWR_NA0013_02_s_2017_17 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Mow the wild growth of vegetation from crown roadway. The crown roadway must be keep free of vegetation. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_332_17_20170510_00036.jpg



Looking downstream from levee mile 1.62 to 1.85 crown roadway completely overgrown with vegetation.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.63 | Rating ** | U | Issue No. | 18 |
| LM End | 1.85 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.317847 ° | 37.314609 ° |
| | | | | -120.395722 ° | -120.395807 ° |
| DWR ID | DWR_NA0013_02_s_2017_18 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds on the slope and toe. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_332_18_20170510_00037.jpg



Looking downstream from levee mile 1.63 landside slope and shoulder covered with wild weeds. To levee mile 1.85.

| | | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.63 | Rating ** | M | Issue No. | 9 | |
| LM End | 1.63 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | Encroachments | | | 37.317758 ° | 37.317758 ° | |
| | | | | -120.395750 ° | -120.395750 ° | |
| DWR ID | DWR_NA0013_02_f_2016_9 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Take out this walnut tree from the landside shoulder. | | | | | | |

Photo 1 of 1 : SP_2017_NA0013_332_9_20170502_00033.jpg



Unwanted nut tree on the landside shoulder levee mile 1.63.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Merced Streams Group

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 03 Owens Creek Diversion | | | Right | 1.43 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 5/2/2017 - 5/2/2017 | | | |
| DWR Inspector | Herman Phillips | | | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 13 |
| LM End | 1.26 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.257775 ° | 37.273008 ° |
| | | | | -120.288640 ° | -120.280312 ° |
| DWR ID | DWR_NA0013_03_s_2017_13 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Unsatisfactory wild growth of weeds present on the crown roadway. The crown roadway should be free of vegetation. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_333_13_20170519_00023.jpg



Owens Creek looking upstream from levee mile 0.00, wild weeds has completely blocked the view of the levee section.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 12 |
| LM End | 1.40 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.257775 ° | 37.273553 ° |
| | | | | -120.288640 ° | -120.278038 ° |
| DWR ID | DWR_NA0013_03_s_2017_12 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Weeds are taller than 5 foot. Spray or mow to control growth. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_333_12_20170519_00025.jpg



Owens Creek levee mile 0.00 -1.40, unsatisfactory growth of weeds has completely taken over the levee section.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 14 |
| LM End | 0.19 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.260355 ° | 37.260355 ° |
| | | | | -120.288517 ° | -120.288517 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:41815 DS_ID:23060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - more than a half of inet pipe burried on LS. - needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_41815_35533.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 0.19 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_41815_35532.jpg



WS view: Silt needs to be removed. Vegetations needs to be cleared.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 0.19 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.260355 ° | 37.260355 ° |
| | | | | -120.288517 ° | -120.288517 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:41815 DS_ID:23060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - more than a half of intet pipe burried on LS. - needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_41815_35531.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning and silt removed.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.39 | Rating ** | A/W | Issue No. | 15 |
| LM End | 0.39 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263182 ° | 37.263182 ° |
| | | | | -120.288239 ° | -120.288239 ° |

Comment Code

Inspector Comment

FS_ID:50144
DS_ID:23061
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 09/01/2016: Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/01/2016: Not abandoned. LS and WS cleared. Gate swings free. Photos uploaded. (M. Walejko - NA0013)08/23/2016: Same as last inspection. (K. Fazel - UCIP)09/17/2013:Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to be abandoned properly. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.4)].
FS Date: 9/1/2016

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.39 | Rating ** | A/W | Issue No. | 15 (cont) |
| LM End | 0.39 | Issue Type + | Ma | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_50144_35422.jpg



WS view: U typed concrete headwall, cobble spillway, and channel on waterside.

Photo 2 of 3 : UCIP_SP_2017_50144_35421.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Damaged flap gate.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.39 | Rating ** | A/W | Issue No. | 15 (cont) |
| LM End | 0.39 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263182 ° | 37.263182 ° |
| | | | | -120.288239 ° | -120.288239 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50144 DS_ID:23061 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/01/2016: Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/01/2016: Not abandoned. LS and WS cleared. Gate swings free. Photos uploaded. (M. Walejko - NA0013)08/23/2016: Same as last inspection. (K. Fazel - UCIP)09/17/2013:Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to be abandoned properly. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.4)]. FS Date: 9/1/2016 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_50144_35420.jpg



LS view: Debris dumped on onlet structure. Needs to be cleared or abandoned properly.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.58 | Rating ** | A/W | Issue No. | 16 |
| LM End | 0.58 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.265894 ° | 37.265894 ° |
| | | | | -120.288295 ° | -120.288295 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50149 | | | | | |
| DS_ID:23062 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 09/29/2016: LS and WS ends have been cleared by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- needs clearing and cleaning on inlet and outlet. (P. Amatya - UCIP) | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | |
| FS Date: 9/7/2016 | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.58 | Rating ** | A/W | Issue No. | 16 (cont) |
| LM End | 0.58 | Issue Type + | Ma | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_50149_35535.jpg



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope.

Photo 2 of 3 : UCIP_SP_2017_50149_35534.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

Merced Streams Group

Page 7 of 13

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 0.79 | Rating ** | A/W | Issue No. | 17 (cont) | |
| LM End | 0.79 | Issue Type + | Ma | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.268420 ° | | 37.268420 ° |
| | | | | -120.286231 ° | | -120.286231 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50151 DS_ID:23063 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/2016: LS and WS ends have been cleared by NA0013 and crossing has been downgraded to No Action Needed. (K. Fazel - UCIP)09/2013: Needs vegetation clearing on WS. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016 | | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.79 | Rating ** | A/W | Issue No. | 17 (cont) |
| LM End | 0.79 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_50151_35538.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 3 of 3 : UCIP_SP_2017_50151_35541.jpg



LS view: concrete headwall and CM pipe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

Merced Streams Group

WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 1.02 | Rating ** | M | Issue No. | 18 (cont) | |
| LM End | 1.02 | Issue Type + | Ma | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.271111 ° | | 37.271111 ° |
| | | | | -120.283786 ° | | -120.283786 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50152 | | | | | | |
| DS_ID:23064 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 09/29/2016: WS outlet has been cleared by NA0013. | | | | | | |
| Crossing will be downgraded from Non-Urgent to No Action Needed | | | | | | |
| upon receipt of photo showing cleared LS. (K. Fazel - | | | | | | |
| UCIP)09/2013:- vegetations need to be removed from spillway and | | | | | | |
| outlet at flapgate (blocked). It needs clearing.- more than half of inlet | | | | | | |
| pipe was buried in inlet. It needs cleaning & clearing. (P. Amatya - | | | | | | |
| UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe | | | | | | |
| through the levee, 5.0 feet below the crown, concrete headwall, flap | | | | | | |
| gate, and concrete grouted cobble spillway on the waterward toe, | | | | | | |
| concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | | |
| FS Date: 9/7/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_50152_35542.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing & cleaning.

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.15 | Rating ** | M | Issue No. | 19 |
| LM End | 1.15 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.272193 ° | 37.272193 ° |
| | | | | -120.281805 ° | -120.281805 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:21063 DS_ID:23065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_21063_35502.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate buried under mud/debris.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 1.15 | Rating ** | M | Issue No. | 19 (cont) | |
| LM End | 1.15 | Issue Type + | Ma | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.272193 ° | | 37.272193 ° |
| | | | | -120.281805 ° | | -120.281805 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:21063 DS_ID:23065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.15 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 1.15 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_21063_35501.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

Photo 3 of 3 : UCIP_SP_2017_21063_35500.jpg



LS view: closer view of CM pipe. Inlet needs cleaning & clearing.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.23 | Rating ** | M | Issue No. | 7 |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.272628 ° | 37.272927 ° |
| | | | | -120.280398 ° | -120.280302 ° |
| DWR ID | DWR_NA0013_03_f_2016_7 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Control the rodents along the landside slope from levee mile 1.23 to 1.25. | | | | | |

No Photos

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 20 |
| LM End | 1.27 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273082 ° | 37.273082 ° |
| | | | | -120.280288 ° | -120.280288 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:21064 DS_ID:23066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_21064_35506.jpg



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope and spillway.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 1.27 | Rating ** | M | Issue No. | 20 (cont) | |
| LM End | 1.27 | Issue Type + | Ma | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273082 ° | 37.273082 ° | |
| | | | | -120.280288 ° | -120.280288 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:21064 DS_ID:23066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 20 (cont) |
| LM End | 1.27 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_21064_35505.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 3 of 3 : UCIP_SP_2017_21064_35504.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Spring 2017 Levee Inspection Results
Merced Streams Group**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 04 Owens Creek Diversion | | | Left | 1.42 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 5/2/2017 - 5/2/2017 | | | |
| DWR Inspector | Herman Phillips | | | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | U | Issue No. | 11 |
| LM End | 1.41 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.273308 ° | 37.257383 ° |
| | | | | -120.277955 ° | -120.288233 ° |
| DWR ID | DWR_NA0013_04_s_2017_11 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild growth other than native grasses from the levee slope and berm. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_334_11_20170519_00028.jpg



Owens Creek Unit 4 looking upstream the unsatisfactory wild weed growth has completely block the view of the levee section.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.03 | Rating ** | U | Issue No. | 12 |
| LM End | 1.41 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.273302 ° | 37.257383 ° |
| | | | | -120.278158 ° | -120.288233 ° |
| DWR ID | DWR_NA0013_04_s_2017_12 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild growth other than native grasses from the levee section. | | | | | |

Photo 1 of 1 : SP_2017_NA0013_334_12_20170519_00029.jpg



Owens Creek Unit 4 looking at the waterside levee sloped downstream.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | U | Issue No. | 13 |
| LM End | 1.41 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.273292 ° | 37.257383 ° |
| | | | | -120.278337 ° | -120.288233 ° |
| DWR ID | DWR_NA0013_04_s_2017_13 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| The crown roadway must be free of vegetation. | | | | | |

Photo 1 of 2 : SP_2017_NA0013_334_13_20170519_00030.jpg



Owens Creek Unit 4 levee mile 0.04 looking downstream towards levee mile 1.41 the wild weeds has completely covered the levee crown roadway.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.04 | Rating ** | U | Issue No. | 13 (cont) |
| LM End | 1.41 | Issue Type + | Ma | Location * | CR |

Photo 2 of 2 : SP_2017_NA0013_334_13_20170519_00031.jpg



Owens Creek Unit 4 looking upstream from levee mile 1.41, the weeds are taller than 8.0 foot.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 14 |
| LM End | 0.11 | Issue Type + | Ma | Location * | CR |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273295 ° | 37.273295 ° |
| | | | | -120.279673 ° | -120.279673 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:42991 DS_ID:23068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

| | | | | | |
|----------|------|--------------|----|------------|-----------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 0.11 | Issue Type + | Ma | Location * | CR |

Photo 1 of 3 : UCIP_SP_2017_42991_35751.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP_SP_2017_42991_35750.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation and silt need to be cleared.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 0.11 | Issue Type + | Ma | Location * | CR |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273295 ° | 37.273295 ° |
| | | | | -120.279673 ° | -120.279673 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:42991 DS_ID:23068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_42991_35749.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 15 |
| LM End | 0.18 | Issue Type + | Ma | Location * | CR |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.272437 ° | 37.272437 ° |
| | | | | -120.280260 ° | -120.280260 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50146 DS_ID:23069 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS and LS ends have been cleared. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_50146_35748.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 15 (cont) | |
| LM End | 0.18 | Issue Type + | Ma | Location * | CR | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.272437 ° | | 37.272437 ° |
| | | | | -120.280260 ° | | -120.280260 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50146 | | | | | | |
| DS_ID:23069 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 09/29/2016: WS and LS ends have been cleared. | | | | | | |
| Crossing will be downgraded from Non-Urgent to No Action Needed | | | | | | |
| upon receipt of photo showing cleared LS inlet. (K. Fazel - | | | | | | |
| UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate | | | | | | |
| blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya - | | | | | | |
| UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe | | | | | | |
| through the levee, 6.0 feet below the crown, concrete headwall, flap | | | | | | |
| gate, and concrete grouted cobble spillway on the waterward toe, | | | | | | |
| concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | | |
| FS Date: 9/7/2016 | | | | | | |

Photo 2 of 3 : UCIP_SP_2017_50146_35747.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 15 (cont) |
| LM End | 0.18 | Issue Type + | Ma | Location * | CR |

Photo 3 of 3 : UCIP_SP_2017_50146_35746.jpg



LS view: inside view of CM pipe. Inlet pipe needs clearing.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 10 |
| LM End | 0.69 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.272373 ° | 37.267383 ° |
| | | | | -120.280392 ° | -120.286598 ° |
| DWR ID | DWR_NA0013_04_f_2016_10 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| No rodent or burrows found in this area listed. | | | | | |

No Photos

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.32 | Rating ** | M | Issue No. | 16 |
| LM End | 0.32 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.271495 ° | 37.271495 ° |
| | | | | -120.282452 ° | -120.282452 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50154 DS_ID:23070 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_50154_35608.jpg



WS view: Dense vegetation on levee slope and spillway.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 0.32 | Rating ** | M | Issue No. | 16 (cont) | |
| LM End | 0.32 | Issue Type + | Ma | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.271495 ° | | 37.271495 ° |
| | | | | -120.282452 ° | | -120.282452 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50154 DS_ID:23070 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.32 | Rating ** | M | Issue No. | 16 (cont) |
| LM End | 0.32 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_50154_35607.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

Photo 3 of 3 : UCIP_SP_2017_50154_35606.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.45 | Rating ** | A/W | Issue No. | 17 |
| LM End | 0.45 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.270318 ° | 37.270318 ° |
| | | | | -120.284222 ° | -120.284222 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50148
DS_ID:23071
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)
FS Date: 9/7/2016

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.45 | Rating ** | A/W | Issue No. | 17 (cont) |
| LM End | 0.45 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_50148_35613.jpg



WS view: Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP_SP_2017_50148_35612.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 0.45 | Rating ** | A/W | Issue No. | 17 (cont) | |
| LM End | 0.45 | Issue Type + | Ma | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.270318 ° | 37.270318 ° | |
| | | | | -120.284222 ° | -120.284222 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50148 | | | | | | |
| DS_ID:23071 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatya - UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | | |
| FS Date: 9/7/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_50148_35611.jpg



LS view: concrete headwall and CM pipe.

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.58 | Rating ** | M | Issue No. | 18 |
| LM End | 0.58 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.268705 ° | 37.268705 ° |
| | | | | -120.285546 ° | -120.285546 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50155 DS_ID:23072 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_50155_35642.jpg



WS view: Dense vegetation on levee slope and spillway.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 0.58 | Rating ** | M | Issue No. | 18 (cont) | |
| LM End | 0.58 | Issue Type + | Ma | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.268705 ° | 37.268705 ° | |
| | | | | -120.285546 ° | -120.285546 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50155 DS_ID:23072 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.58 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 0.58 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_50155_35641.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 3 of 3 : UCIP_SP_2017_50155_35640.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.81 | Rating ** | M | Issue No. | 19 |
| LM End | 0.81 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.265948 ° | 37.265948 ° |
| | | | | -120.287790 ° | -120.287790 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:21126 | | | | | |
| DS_ID:23073 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey. | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 | | | | | |
| FS Date: 9/17/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.81 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 0.81 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_21126_35652.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP_SP_2017_21126_35651.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.01 | Rating ** | A/W | Issue No. | 20 (cont) |
| LM End | 1.01 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263139 ° | 37.263139 ° |
| | | | | -120.287799 ° | -120.287799 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:21127 | | | | | |
| DS_ID:23074 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - concrete spillway on waterside.- drainage was working during field survey. | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) | | | | | |
| FS Date: 9/17/2013 | | | | | |

Photo 2 of 3 : UCIP_SP_2017_21127_35656.jpg



WS view: concrete headwall and concrete spillway on waterside.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.01 | Rating ** | A/W | Issue No. | 20 (cont) |
| LM End | 1.01 | Issue Type + | Ma | Location * | LS |

Photo 3 of 3 : UCIP_SP_2017_21127_35655.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Drainage was working during survey.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.08 | Rating ** | M | Issue No. | 21 |
| LM End | 1.08 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.262207 ° | 37.262207 ° |
| | | | | -120.288149 ° | -120.288149 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:21210 DS_ID:23075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.08 | Rating ** | M | Issue No. | 21 (cont) |
| LM End | 1.08 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_21210_35709.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP_SP_2017_21210_35708.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Spillway needs to be cleared.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.08 | Rating ** | M | Issue No. | 21 (cont) |
| LM End | 1.08 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.262207 ° | 37.262207 ° |
| | | | | -120.288149 ° | -120.288149 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:21210 DS_ID:23075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_21210_35707.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|----|
| LM Start | 1.21 | Rating ** | A/W | Issue No. | 22 |
| LM End | 1.21 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.260250 ° | 37.260250 ° | |
| | | | -120.288141 ° | -120.288141 ° | |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:50153
DS_ID:23076
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 09/01/2016: Per Mike Walejko, WS outlet has been cleared. See photos. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/23/2016: LS inlet is clear. WS outlet is still buried. Cracks on crown characteristic of entire left bank and not associated with the crossing at this location. (K. Fazel - UCIP)09/17/2013:- significant levee crown and slope cracks along the pipe. Detailed investigation required.- inlet pipe buried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe buried. Needs clearing and removal of vegetations and silts. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 1.24)].
FS Date: 9/1/2016

| | | | | | |
|----------|------|--------------|-----|------------|-----------|
| LM Start | 1.21 | Rating ** | A/W | Issue No. | 22 (cont) |
| LM End | 1.21 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_50153_35745.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Dirt and vegetations need to be removed and cleared.

Photo 2 of 3 : UCIP_SP_2017_50153_35744.jpg



WS view: significant levee cracks along the pipealignment. Needs detailed investigation on the issue.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 05/02/2017 05/02/2017 | Herman Phillips |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start | 1.21 | Rating ** | A/W | Issue No. | 22 (cont) | |
| LM End | 1.21 | Issue Type + | Ma | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.260250 ° | | 37.260250 ° |
| | | | | -120.288141 ° | | -120.288141 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50153 DS_ID:23076 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/01/2016: Per Mike Walejko, WS outlet has been cleared. See photos. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/23/2016: LS inlet is clear. WS outlet is still buried. Cracks on crown characteristic of entire left bank and not associated with the crossing at this location. (K. Fazel - UCIP)09/17/2013:- significant levee crown and slope cracks along the pipe. Detailed investigation required.- inlet pipe buried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe buried. Needs clearing and removal of vegetations and silts. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 1.24)]. FS Date: 9/1/2016 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_50153_35743.jpg



LS view: concrete headwall and buried CM pipe. Dirt removal and clearing needed in inlet.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|